

**POWER OF ATTORNEY BY ASSIGNEE UNDER 37 C.F.R. § 3.71  
AND CERTIFICATE OF TITLE BY ASSIGNEE UNDER 37 C.F.R. § 3.73(b)**

For handling matters in the United States Patent and Trademark Office.

Sharp Laboratories of America, Inc. is the Assignee of the invention,

**Entitled:** Outer Code for CSMA Systems Using an OFDM Physical Layer in Contention-Free Mode

**Inventors:** John Michael Kowalski

**Docket Number:** SLA.0366

The specification of which is being filed herewith.

Sharp Laboratories of America, Inc., as assignee hereby appoints the following attorney to prosecute this application and to transact all business connected therewith in the United States Patent and Trademark Office; said appointment to be to the exclusion of the inventor(s) and his attorney in accordance with the provisions of 37 C.F.R. § 1.32:

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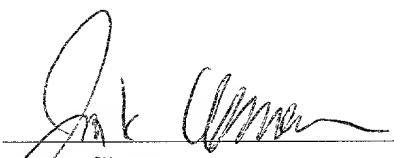
Pursuant to 37 C.F.R. § 3.73(b), the undersigned certifies that assignee is a corporation, and is the owner of the entire right, title and interest in the above-identified patent application by virtue of an assignment from the inventor(s) to Assignee.

A copy of the assignment is attached hereto, the original of which is herewith forwarded to the U.S. Patent and Trademark Office for recording.

I have reviewed the assignment and to the best of my knowledge and belief, title to the above-identified patent application is in Assignee. I declare that I am empowered by Assignee to sign this certificate on behalf of Assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application or any resulting patent.

Date: March 2, 2001

  
Jon K. Clemens  
President and CEO

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned,

John Michael Kowalski

COPY

1. Hereby sell, assign and transfer to Sharp Laboratories of America, Inc., having a place of business at 5750 Pacific Rim Blvd.; Camas, Washington 98607, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries: (a) in and to any and all inventions which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is:

**Entitled:** - Outer Code for CSMA Systems Using an OFDM Physical Layer in Contention-Free Mode

**Docket Number:** - SLA.0366

(b) in and to the application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and (c) in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions;


2. Agree that the Assignee may apply for and receive Letters Patent for said inventions in its own name; and that, when requested, (at the expense of the Assignee, its successors, assigns and legal representatives), the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to the Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said inventions and the history thereof; and generally to do everything reasonable which the Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in the Assignee, its successors, assigns and legal representatives; and

3. Covenant with the Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

COPY

Date March 2, 2001

Signature: \_\_\_\_\_

  
John Michael Kowalski

## DECLARATION BY INVENTOR

The below named inventor, hereby declares that:

My residence, post office address and citizenship are as stated below next to my name,

I believe that I am the sole inventor of the subject matter which is claimed and for which a patent is sought on the invention,

**Entitled:** Outer Code for CSMA Systems Using an OFDM Physical Layer in  
Contention-Free Mode

**Docket Number:** SLA.0366

the specification of which is attached hereto.

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations 1.56(a).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made, with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Claim of Priority Based on Foreign Applications: **None**

Claim of Priority Based on Previously Filed U.S. Applications: U.S. Provisional Patent Serial No. 60/244,009, for *Outer Code for CSMA Systems Using an OFDM Physical Layer in Contention-Free Mode*, filed October 27, 2000.

John Michael Kowalski  
Inventor name

USA  
Citizenship

  
Signature

March 2, 2001  
Date

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